

[RADIO DEVICE CAPABLE OF ANTICIPATING A LINK STATE AND METHOD THEREOF]

Abstract of Disclosure

A radio device operating under a time division duplex frequency hopping scheme has a standby link state and a connection link state. The radio device includes two register sets, one for standby link state frequency channel parameters and one for connection link state frequency channel parameters. A multiplexer as controlled by a link state controller outputs selected link state frequency channel parameters to a working register set. According to a periodic timer the selected link state frequency channel parameters are forwarded from the working register set to a frequency channel controller that controls an RF device. The frequency channel parameters for a next time slot are loaded in the registers during a current time slot so that the required frequency channel parameters are readily available for operation of the radio device.

Figures